

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1. (Canceled).
2. (Currently Amended) The server apparatus according to claim 21, wherein ~~[[when]]~~
the port management controller issues a request is-issued to the relay device for assignment of a
port number, and:

if the predetermined port number is unregistered, the port management ~~section~~ controller
is assigned the predetermined port number, and

if the predetermined port number is registered, the port management ~~section~~ controller is
assigned said another port number.
3. (Currently Amended) The server apparatus according to claim 21, wherein if the port
management ~~section~~ controller is assigned to the predetermined port number, said port
management section periodically requests the port ~~mapping~~ number information.
- 4-5. (Canceled).
6. (Currently Amended) The server apparatus according to claim 21, wherein if the
server is assigned the predetermined port number, the port management ~~section~~ controller

requests use registration information from the relay device and fetches the port ~~mapping number~~ information from the use registration information.

7. (Currently Amended) The server apparatus according to claim 21, wherein if the server apparatus is assigned the predetermined port number, the port management section controller notifies the other server of the port number assigned.

8. (Currently Amended) The server apparatus according to any one of claims ~~[[1-]]~~ 21, 2, 3, 6, and 7, further comprising: a web page generating section generating a web page where address information on the at least one other ~~servers~~ server is attached in a linkable fashion.

9. (Currently Amended) The server apparatus according to claim 8, wherein the port management section controller adds host names for identification to the at least one other ~~servers~~ server and posts the host names in the address information.

10. (Currently Amended) The server apparatus according to claim 21, wherein when the server apparatus detects ~~has detected~~ that a server registered to the predetermined port number ~~withdrew from~~ has a withdrawn status relative to a LAN, another server transmits an identification message to register the other server to the predetermined port number.

11. (Currently Amended) The server apparatus according to claim 10, wherein other servers transmit identification messages after a random time has elapsed and, if two or more

servers issue an identification message within a certain time after that, these servers transmit identification messages respectively after a random time has elapsed until a sole server which identifies the sole server uses the predetermined port number.

12. (Currently Amended) The server apparatus according to claim 10, wherein after detection of withdrawal, the server apparatus is registered to the predetermined port number based on mapped port numbers.

13. (Currently Amended) The server apparatus according to claim 10, wherein after detection of withdrawal, other servers respectively transmit identification messages after a time calculated from a server-specific value has elapsed and a sole server determined based on a predetermined determination rule becomes a representative server and is registered to said predetermined port number.

14. (Currently Amended) The server apparatus according to claim 10, wherein a server registered to a predetermined port number communicates, as a single unit, a withdrawal notice message to servers in the LAN to notify that the server has withdrawn from the LAN.

15. (Currently Amended) The server apparatus according to any one of claims 10 through 13, wherein a server in the LAN detects that there is no inquiry about the port mapping information from a server registered to a predetermined port number to detect that the server has withdrawn from the LAN.

16. (Currently Amended) The server apparatus according to claim 10, wherein all servers in the LAN make inquiries to a server registered to a predetermined port number about a presence of the server and upon receiving no response, detect the server has withdrawn from the LAN.

17. (Currently Amended) The server apparatus according to claim 21, further comprising:

a camera,

an image data generator, which processes a picture signal of a picture shot with the camera and encodes the signal, and

a web server section, which transmits image data to a wide area network, wherein the server transmits a photographed image as an image server.

18. (Canceled).

19. (Currently Amended) The server apparatus according to claim [[18]] 22, wherein the server apparatus requests assignment of the predetermined port number used for the data transfer and address information on the first network of the relay device from the relay device.

20. (Currently Amended) The server apparatus according to claim [[18]] 22 or 19, wherein the server apparatus periodically acquires the port assignment information.

21. (New) A server apparatus for being connected to a relay device, the relay device having a port forwarding feature and a wide area network address in a wide area network and for being connected to at least one other server, the server apparatus comprising:

a port management controller which receives a predetermined port number or another port number from the relay device and registers the received port number, wherein the predetermined port number corresponds to a representative server,

wherein when the port management controller receives the predetermined port number as the received port number, the port management controller acquires the wide area network address of the relay device and port number information related to the at least one other server, and, in response to an access from a terminal device in the wide area network, provides the terminal device with the wide area network address of the relay device and the port number information.

22. (New) A server apparatus connected to a secondary network of a relay device which transfers packets from a first network to the secondary network in accordance with a destination port number, the server apparatus for being connected to at least one other server,

wherein the server apparatus requests the relay device to assign a predetermined port number out of port numbers used for data transfer, determines that the predetermined port number has been assigned, acquires port assignment information on the at least one other server from the relay device to generate display information including the port assignment information, and transmits the display information in response to an access from a terminal device in the first network via the relay device.